// Forward declaration of isBadVersion API.

bool isBadVersion(int version);

class Solution {

public:

int firstBadVersion(int n) {

int start = 1, end = n;

while(start <= end)

{

int mid = start+(end-start)/2;

isBadVersion(mid) ? end = mid-1 : start = mid+1;

}

return start;

}

};